

MD3 Duct Sealing System



Duct sealing systems MD3 have been developed to provide an effective and simple solution for Gas and Watertight sealing of cables / pipes in ducts or bore holes.

This duct sealing system is extremely flexible and can be installed in ducts vertically and horizontally.

Features

- Gas- and watertight 1,0 bar
- Radon proof
- After mixing the polyurethane sealant it will expand and cures/hardens with a high density and a closed cell structure
- Can be used in any shaped or sized duct up to 200mm
- Easy and quick installation
- One complete kit for sealing of one duct
- Seals all known materials: PVC & PE sheeted cables, PILC cables, (HD)PE pipes, PE drink water conduits
- High mechanical strength, resists ground movement, shocks and vibrations
- Also suitable for renovation works
- No architectural measures necessary
- Used by various utility companies as well as contractors
- Over 25 years of operational experience



Specifications

MD3 Duct Sealing System

| Properties | Unit | Value |
|--------------------------------------|-----------------------------------|----------------|
| Start time expansion | seconds | > 95 |
| End time expansion | minutes | 15 |
| Compressive strength | N / cm ² | > 60 |
| Gas and water tightness 1,0bar | 30 days | no leakage |
| Density 10m water column | 30 days | no leakage |
| Volume consistency | cube 10 x 10cm | no change |
| temperature Cycles, -20°C tot +40°C | 10 consecutive cycles | no leakage |
| Vibration test 10 Hz/amplitude 3mm | 240 hours | no leakage |
| axial tensile force | diameter x 10 N | no leakage |
| Resistance to bending | cables 45° in 2 directions >250mm | no leakage |
| Expansion polyurethane foam in pipe | cm | < 40 |
| Temperature resistance | °C | +120 |
| Chemical resistance | | |
| 0,1N Na ₂ SO ₄ | 30 days | no degradation |
| 0,1N NaCl | 30 days | no degradation |
| 0,1N H ₂ SO ₄ | 30 days | no degradation |
| 0,1N NaOH | 30 days | no degradation |
| Diesel | 30 days | no degradation |
| Gasonline | 30 days | no degradation |
| Resistance | | |
| Molds | | good |
| Radon gas | | no transit |
| Rodents | | good |
| Shelf life | months | minimal 30 |

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More info

[Download: Material Safety Data Sheet \(MSDS\)](#)

Products

| Art.nr. | Product Name | Duct diameter min.-max. (mm) | Maximum cable or pipe diameter in the duct (mm) | Order unit |
|---------|---|------------------------------|---|------------|
| 82525 | MD3 25mm duct sealing set for protection sleeves | Ø 25 max. | Ø 8 max. | per piece |
| 82550 | MD3 50mm duct sealing set for protection sleeves | Ø 50 max. | Ø 20 max. | per piece |
| 82575 | MD3 75mm duct sealing set for protection sleeves | Ø 75 max. | Ø 40 max. | per piece |
| 80295 | MD3 110mm duct sealing set for protection sleeves | Ø 110 max. | Ø 80 max. | per piece |
| 80296 | MD3 160mm duct sealing set for protection sleeves | Ø 160 max. | Ø 130 max. | per piece |
| 802973 | MD3 200mm duct sealing set for protection sleeves | Ø 200 max. | Ø 160 max. | per piece |
| 802978 | MD3 250mm duct sealing set for protection sleeves | Ø 250 max. | Ø 220 max. | per piece |